INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/37220

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C12N 5/00; C12M 1/34; C12Q 1/02, 1/18, 1/24 US CL : 435/29, 30, 32, 287.6, 375 According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 435/29, 30, 32, 287.6, 375			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) West, Chemical Abstracts			
C. DOCI	C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where ap	Relevant to claim No.	
Α	US 5,354,663 A (CHARM et al.) 11 October 1994 (11	1-66	
A	US 5,489,532 A (CHARM et al.) 06 February 1996 (06.02.1996).		1-66
A	US 5,658,748 A (MAYRA-MAKINEN et al.) 19 August 1997 (19.08.1997).		1-66
Т	US 6,867,015 B1 (LANGEVELD et al.) 15 March 2005 (15.03.2005).		1-66
		*	
Further	documents are listed in the continuation of Box C.	See patent family annex.	
Special categories of cited documents:		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the	
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
"O" document referring to an oral disclosure, use, exhibition or other means			
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family	
Date of the actual completion of the international search		Date of mailing of the international search report 2 7 APR 2005	
04 April 2005 (04.04.2005) Name and mailing address of the ISA/US		Authorized officer / "	1/
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Alexandria, Virginia 22313-1450		Telephone No. (703) 308-1235	U^{ω}

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